[illegible]

[illegible] $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1(a>b>0)$ [illegible] $\begin{cases}x'=\frac{x}{a}\\ y'=\frac{y}{b}\end{cases}$ [illegible]

[illegible] $x'^2+y'^2=1$ [illegible]

(1)[illegible]$\frac{a}{b}$[illegible]

(2)[illegible].[illegible]

[illegible]([illegible])[illegible]([illegible])[illegible]

[illegible]$\frac{1}{b}$[illegible]

[illegible]([illegible])[illegible]([illegible])[illegible]

[illegible]$\frac{1}{a}$.

(3)[illegible]. [illegible].

(4)[illegible]([illegible])[illegible]([illegible])[illegible]$\frac{1}{ab}$.

(5)[illegible].

□1.□ AB□□□□ $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1(a>b>0)$□□□□□□□ M□□□
□□□ A□ B□□□□□□ AM□ BM□□□□□□□□ k_{AM}□ k_{BM}□
□□□□□ AM□ BM□□□□□ k_{AM}□$k_{BM}=($ B $)$

A. $-\frac{c^2}{a^2}$ B. $-\frac{b^2}{a^2}$ C. $-\frac{c^2}{b^2}$ D. $-\frac{a^2}{b^2}$

□□.□ AB□□□□□□□ $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1(a>b>0)$□□ O□□□□□
□□□□□□ M□ AB□□□□□ k_{OM}□$k_{AB}=$__________. $-\frac{b^2}{a^2}$

□ 2.□ $M(x_0, y_0)$□□□ $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1(a>b>0)$□□□□□

□□□ M□□□□□□ ________. $\frac{x_0x}{a^2}+\frac{y_0y}{b^2}=1$

□□□□□□ C□$\frac{x^2}{a^2}+\frac{y^2}{b^2}=1(a>b>0)$□□□ l□ $Ax+By+C=0$□

□□□□□ l□□□ C□□□□□□□□ $(aA)^2+(bB)^2>C^2$

□3.□ A□ B□ C□□□ $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1(a>b>0)$□□□□□

□ $S_{\Delta ABC}$□□□□□ ________. $\frac{3\sqrt{3}}{4}ab$

□□1.□□ $P(2,0)$□□□ l□□□ $\frac{x^2}{2}+y^2=1$□□□□□ A□ B□

□ G□□□ AB□□□□□ OG□□□□□ C□ D.

(1)□□ G□□□□□ $\frac{2}{3}$□□□□ l□□□□ $y=\pm\frac{1}{2}(x-2)$

(2)□ ΔABD□ ΔABC□□□□□□ S_1,S_2□□ $|S_1-S_2|$□□□□. $\sqrt{2}$

□4.□□A□B□□□□□$\frac{x^2}{a^2}+\frac{y^2}{b^2}=1(a>b>0)$□□□□□□□□□□□$y=kx(k>0)$□□□□□$C$□$D$□□□□□□$ACBD$□□□□□□□□$2c^2$□□□□□□□□□(D)

$A.\frac{1}{3}$ $B.\frac{1}{2}$ $C.\frac{\sqrt{3}}{3}$ $D.\frac{\sqrt{2}}{2}$

□□.□□□□□□□□□□□$A(2,0)$□$B(0,1)$□□□□□□□□□□$y=kx(k>0)$□AB□□□□D□□□□□□□E□F□□.

(1)□$ED=6DF$□□k□□□

(2)□□□□$AEBF$□□□□□□.

(1)$\frac{2}{3}$□$\frac{3}{8}$ (2)$2\sqrt{2}$

□5.□ F_1□ F_2□□□□□ E□$\frac{x^2}{a^2}+\frac{y^2}{b^2}=1(a>b>0)$□□□□□□□

□ F_1□□□1□□□ l□ E□□□ A,B□□□□ $|AF_2|$□$|AB|$□$|BF_2|$

□□□□□.

(1)□ E□□□□□ $\frac{\sqrt{2}}{2}$

(2)□ $P(0,-1)$□□ $|PA|=|PB|$□□ E□□□. $\frac{x^2}{18}+\frac{y^2}{9}=1$

□□□□□□□□□□□□□□□□□“□□□□”□

‘□□(□□)□□□□□□□”□“□□□□□□□□□□”□□□

□□□□□□□□□□□□□□□□□□□.